

Title (en)

DRIVE BACKPLANE AND PREPARATION METHOD THEREFOR, DISPLAY PANEL, AND DISPLAY APPARATUS

Title (de)

LAUFWERKRÜCKWANDPLATINE UND HERSTELLUNGSVERFAHREN DAFÜR, ANZEIGETAFEL UND ANZEIGEVORRICHTUNG

Title (fr)

FOND DE PANIER D'ATTAQUE ET SON PROCÉDÉ DE PRÉPARATION, PANNEAU D'AFFICHAGE ET APPAREIL D'AFFICHAGE

Publication

**EP 4095911 A1 20221130 (EN)**

Application

**EP 20864304 A 20200122**

Priority

CN 2020073910 W 20200122

Abstract (en)

The present application relates to the field of display technology, and discloses a drive backplane and a preparation method thereof, a display panel, and a display device, to improve the structure of TPV drive backplanes and increase the yield of the TPV backplanes. The drive backplane includes a flexible substrate provided with a first via hole; a first passivation layer located on a side of the flexible substrate and provided with a second via hole, an orthographic projection of the second via hole being at least partially overlapped with an orthographic projection of the first via hole; a thin film transistor located on a side, facing away from the flexible substrate, of the first passivation layer; and an electrical connecting structure, including a signal trace and a connecting terminal, the connecting terminal being located on a side, close to the first passivation layer, of the flexible substrate and including a first portion located between the flexible substrate and the first passivation layer and a second portion located within the second via hole, and the orthographic projection of the second via hole being located within the orthographic projection of the connecting terminal; and the signal trace being located on the side, facing away from the first passivation layer, of the flexible substrate, electrically connected to the thin film transistor and electrically connected to the connecting terminal through the first via hole.

IPC 8 full level

**H01L 27/12** (2006.01); **G09G 3/32** (2016.01)

CPC (source: EP US)

**G09G 3/32** (2013.01 - EP); **H01L 25/167** (2013.01 - EP); **H01L 33/005** (2013.01 - US); **H01L 33/62** (2013.01 - US); **H01L 25/0753** (2013.01 - EP); **H01L 27/1218** (2013.01 - EP); **H01L 27/124** (2013.01 - EP); **H01L 27/1266** (2013.01 - EP); **H01L 33/62** (2013.01 - EP); **H01L 2933/0066** (2013.01 - EP US)

Designated contracting state (EPC)

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BA ME

Designated validation state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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